1. How can we select a portion of code and run it without running the rest of the code?

Since we are using pycharm as our IDE, we can simply select the code we want to run and use the "Execute Selection in Python Console" option.

1. How is it possible to stop the code execution at a certain point? For example, before execution of a line of code that may raise an exception. Can we see the call stack and run commands with existing variables?

We can use breakpoints to signal to the debugger to stop the execution of the program before interpreting the current line. When we do that we can see the call stock, and run command with existing variables, for example:

* **list** or **l**: Shows the current line of code and the surrounding code. You can also specify a range of lines to display.
* **print** or **p**: Displays the value of a variable or expression. You can also use pprint to pretty-print more complex data structures.
* **where** or **w**: Shows the current call stack.
* **up** or **u**: Moves up one level in the call stack.
* **down** or **d**: Moves down one level in the call stack.
* **step** or **s**: Executes the current line of code and stops at the next line. If the current line is a function call, the debugger will step into the function.
* **next** or **n**: Executes the current line of code and stops at the next line. If the current line is a function call, the debugger will not step into the function.
* **continue** or **c**: Resumes the execution of the code until the next breakpoint is hit or the program finishes.
* **break** or **b**: Sets a new breakpoint. You can specify the line number, function name, or condition for the breakpoint.
* **disable** or **enable**: Disables or enables a breakpoint.
* **quit** or **q**: Exits the debugger and stops the execution of the code.

1. Can be found In basic.py